

SMA ATTENUATORS

SMA ATTENUATORS

SPECIFICATIONS:

Electrical:

Frequency Range _____DC – 18 GHz

Standard Freq. Values _____ 4, 6, 12.4 & 18 GHz

Standard dB Values ____0 – 10, 12, 15, 20, 30 & 40 dB

Attenuation Accuracy In 1dB Increments

0 - 6 dB _____ ± 0.3 dB

7 - 20 dB _____ ± 0.5 dB

21 - 30 dB _____ ± 0.75 dB

40 dB _____ ± 1.5 dB

VSWR

DC - 4 GHz _____ 1.15:1 Max.

4 – 8 GHz _____ 1.20:1 Max.

8 - 12.4 GHz 1.25:1 Max.

12.4 – 18 GHz 1.35:1 Max.

Input Power _____ 5 Watts Avg. @ 25°C

DERATED LINEARLY TO 1 WATT @ +125°C

Impedance _____ 50 Ohms

Operating Temp Range _____ -65°C to $+125^{\circ}\text{C}$

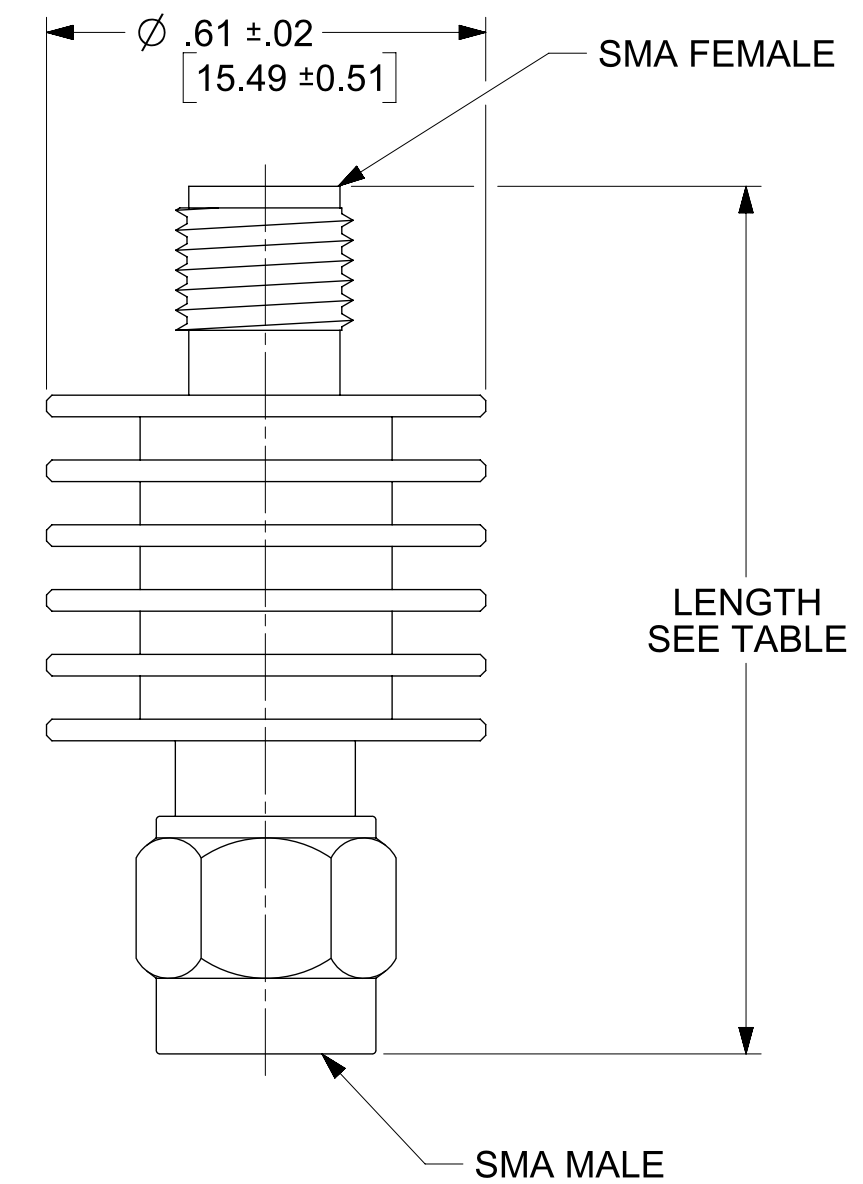
Mechanical:

SMA Connectors _____ Passivated Stainless Steel

Mates with MIL-STD-348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum



MALE/FEMALE
SEE TABLE FOR CONFIGURATION OPTIONS

	LENGTH	
Connector Configuration	0 – 30 & 40dB	
	Inches	Millimeters
Male/Female	1.20 ±.05	[30.5 ±1.3]
Male/Male	1.33 ±.05	[33.8 ±1.3]
Female/Female	1.06 ±.05	[26.9 ±1.3]

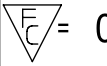
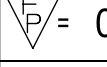
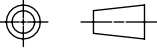
MALE/MALE AND FEMALE/FEMALE
CONFIGURATIONS NOT SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
FUNCTIONAL SYMBOLS		DIMENSION UNITS	SCALE		CURRENT REV DESC: RELEASED			molex 18GHz, 5 WATT SMA ATTENUATORS					
F_A = 0		INCH/MM	NTS										
F_C = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)											
F_P = 0		MM	INCH										
DIVISIONAL SYMBOLS		4 PLACES	±					±					
		3 PLACES	±				±						
		2 PLACES	±	±									
		1 PLACE	±	±									
		0 PLACES	±	±	STATUS: Production DRWN: Kevin Tagan 2024-06-26 CHK'D: Les Meier 2024-06-27 APPR: James Borrelli 2024-06-27			PRODUCT CUSTOMER DRAWING					
		ANGULAR TOL ± 0.5°						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
					732870470		PSD	000	A				
		DRAW WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						C-SIZE	73287	SEE TABLE		GENERAL MARKET	1 OF 2		

	12	11	10	9	8	7	6	5	4	3	2	1
H												
G												
F												
E												
D												
C												
B												
A												

18 GHz 5 Watt SMA		
Molex Part Number	Configuration	dB
0732870470	Male/Female	1dB
0732870471	Female/Female	1dB
0732870472	Male/Male	1dB
0732870480	Male/Female	2dB
0732870481	Female/Female	2dB
0732870482	Male/Male	2dB
0732870490	Male/Female	3dB
0732870491	Female/Female	3dB
0732870492	Male/Male	3dB
0732870500	Male/Female	4dB
0732870501	Female/Female	4dB
0732870502	Male/Male	4dB
0732870510	Male/Female	5dB
0732870511	Female/Female	5dB
0732870512	Male/Male	5dB
0732870520	Male/Female	6dB
0732870521	Female/Female	6dB
0732870522	Male/Male	6dB
0732870530	Male/Female	7dB
0732870531	Female/Female	7dB
0732870532	Male/Male	7dB
0732870540	Male/Female	8dB
0732870541	Female/Female	8dB
0732870542	Male/Male	8dB
0732870550	Male/Female	9dB
0732870551	Female/Female	9dB
0732870552	Male/Male	9dB
0732870560	Male/Female	10dB
0732870561	Female/Female	10dB
0732870562	Male/Male	10dB
0732870570	Male/Female	12dB
0732870571	Female/Female	12dB
0732870572	Male/Male	12dB
0732870580	Male/Female	15dB
0732870581	Female/Female	15dB
0732870582	Male/Male	15dB
0732870590	Male/Female	20dB
0732870591	Female/Female	20dB
0732870592	Male/Male	20dB
0732870600	Male/Female	30dB
0732870601	Female/Female	30dB
0732870602	Male/Male	30dB
0732870610	Male/Female	40dB
0732870611	Female/Female	40dB
0732870612	Male/Male	40dB

FOR CONFIGURATIONS NOT SHOWN
CONTACT FACTORY

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
		0	DIMENSION UNITS	SCALE		CURRENT REV DESC: RELEASED									
			INCH/MM	NTS											
		0	GENERAL TOLERANCES (UNLESS SPECIFIED)								STATUS: Production DRWN: Kevin Tagan 2024-06-26 CHK'D: Les Meier 2024-06-27 APPR: James Borrelli 2024-06-27				
				MM	INCH										
		0	4 PLACES	±	±	DOCUMENT NUMBER 732870470 DOC TYPE PSD DOC PART 000 REVISION A									
			3 PLACES	±	±										
			2 PLACES	±	±										
			1 PLACE	±	±										
	DIVISIONAL SYMBOLS		0 PLACES	±	±						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
ANGULAR TOL ± 0.5°															
			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER						
					C-SIZE	73287	SEE TABLE	GENERAL MARKET	2 OF 2						